









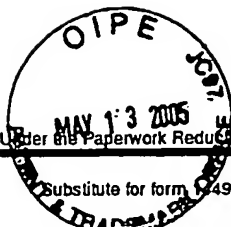


APPLICANT'S ART CITATION (Use several sheets if necessary)		Application Not Yet Known		OFGS File No. P/4238-11			
		Applicant Xinhe TANG et al.					
		Filing Date Herewith		Group Art Unit --			
U.S. PATENT DOCUMENTS							
Examiner Initial	Document Number	Date MM-YYYY	Name	Class	Sub-class	Filing Date If Appropriate	
<i>1/2</i>	US-5,773,921	06-1998	Keesmann et al.	313	309		
<i>1/2</i>	US-5,973,444	10-1999	Xu et al.	313	309		
<i>1/2</i>	US-6,087,765	07-2000	Coll et al.	313	309		
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<i>1/2</i>	US-6,350,388	02-2002	Knappenberger et al.	216	42		
<i>1/2</i>	US-6,417,606	07-2002	Nakamoto et al.	313	336		
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	Document Number	Date MM-YYYY	Country	Class	Sub-class	Translation	
						Yes	No
<i>1/2</i>	EP 1 176 234 A2	02-2002	EPO	—	—		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>1/2</i>	1.	ASTM Standard Designation: D 3359-02, pp. 1-7 (2002).					
<i>1/2</i>	2.	Definition of "feedstock", U.S. Environmental Protection Agency, Terminology Reference System, http://www.epa.gov/trs , 1 page, downloaded August 18, 2003.					
<i>1/2</i>	3.	Definition of "oblate spheroid," http://mathworld.wolfram.com , 9 pages, downloaded March 12, 2003.					
<i>1/2</i>	4.	Definition of "prolate spheroid," http://mathworld.wolfram.com , 3 pages, downloaded March 12, 2003.					
<i>1/2</i>	5.	Starch Soluble, MSDS No. S6505, 6 pages, downloaded from http://www.jtbaker.com on July 3, 2003.					
Examiner <i>King</i>		Date Considered <i>2/20/04</i>					
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<i>Ke</i>	US-2002/0182970	12-2002	Liu et al.	445	51		
<i>Ke</i>	US-2002/0197928	12-2002	Ahn et al.	445	59		
<i>Ke</i>	US-2003/0090190	05-2003	Takai	313	311		
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<i>Ke</i>	6.	X.D. Bai et al., "Synthesis and field-emission behavior of highly oriented boron carbonitride nanofibers," Applied Physics Letters 76(18):2624-2626 (2000), abstract downloaded from http://content.aip.org on August 12, 2003.					
<i>Ke</i>	7.	J. Chen et al., "Field emission from crystalline copper sulphide nanowire arrays," Applied Physics Letters 80(19):3620-3622, 2002, abstract downloaded from http://content.aip.org on August 12, 2003.					
<i>Ke</i>	8.	Y. Chen et al., "Field emission of different oriented carbon nanotubes," Applied Physics Letters 76(17):2469-2471 (2000), abstract downloaded from http://content.aip.org on August 12, 2003.					
<i>Ke</i>	9.	K.A. Dean, "The environmental stability of field emission from single-walled carbon nanotubes," Applied Physics Letters 75(19):3017-3019 (1999), abstract downloaded from http://content.aip.org on August 12, 2003.					
<i>Ke</i>	10.	K.A. Dean et al., "Current saturation mechanisms in carbon nanotube field emitters," Applied Physics Letters, 76(3):375-377 (2000), abstract downloaded from http://content.aip.org on August 12, 2003.					
Examiner <i>Xinhe Tang</i>		Date Considered <i>2/20/04</i>					
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	US-					
	US-					
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	11.	L. Dong et al., "ZnO nanowires formed on tungsten substrates and their electron field emission properties," Applied Physics Letters 82(7):1096-1098 (2003), abstract downloaded from http://content.aip.org on August 12, 2003.				
	12.	Y-H. Lee et al., "Tungsten nanowires and their field electron emission properties," Applied Physics Letters 81(4):745-747, abstract downloaded from http://content.aip.org on August 12, 2003.				
	13.	S.C. Lim et al., "Saturation of emission current from carbon nanotube field emission array," AIP Conference Proceedings 590(1):221-224 (2001), abstract downloaded from http://content.aip.org on August 12, 2003.				
	14.	Z. Pan et al., "Oriented Silicon Carbide Nanowires: Synthesis and Field Emission Properties," Adv. Mater. 12(16):1186-1190 (2000).				
	15.	W. Shi et al., "Laser Ablation Synthesis and Optical Characterization of Silicon Carbide Nanowires," J. Am. Ceram. Soc. 83(12):3228-3330 (2000).				
	16.	M. Sveningsson et al., "Field Emission from Multiwalled Carbon Nanotubes," AIP Conference Proceedings 633(1):548-551 (2002), abstract downloaded from http://content.aip.org on August 12, 2003.				
	17.	K.W. Wong et al., "Field-emission characteristics of SiC nanowires prepared by chemical-vapor deposition, Applied Physics Letters 75(19):2918-2920, abstract downloaded from http://content.aip.org on August 12, 2003.				
	18.	C.Y. Zhi et al., "Enhanced field emission from carbon nanotubes by hydrogen plasma treatment," Applied Physics Letter 81(9):1690-1692, abstract downloaded from http://content.aip.org on August 12, 2003.				
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		Application Number	10/754,176		
		Filing Date	January 9, 2004		
		First Named Inventor	Xinhe Tange, et al.		
		Art Unit	2614		
		Examiner Name			
Sheet	1	of	2	Attorney Docket Number	P/042741-11UT

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
102		US-2001/0024633	09-27-2001	Lee, et al.	
		US-			
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
102		WO-00/30141 A1	05-25-2000	Leland Stanford		
		WO-03/026796 A2	04-03-2003	Motorola, Inc.		
		WO-02/081366 A	10-17-2002N	Commonwealth Scientific		

Examiner Signature	<i>Kris [Signature]</i>	Date Considered	2/20/04
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2

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2

Application Number

10754.176

Filing Date

January 9, 2004

Art Unit

2614

Examiner Name

Attorney Docket Number

P/042741-11UT

NON PATENT LITERATURE DOCUMENTS

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Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

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Grönberg, O. et al: "Field emission properties of carbon nanotubes" JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B: MICROELECTRONICS PROCESSING AND PHENOMENA, AMERICAN VACUUM SOCIETY, NEW YORK, NY, US, Vol. 18, No. 2, March 2000, pages 665-678.

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Signature**

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